

## Abstract

To make it easier to carbonize the processing target material to a desired carbonized condition and also to make installment within a limited  
5 installment space possible.

A carbonizing apparatus includes a carbonizing furnace 6 having a feeding portion 33 for a processing target material, a takeout portion 35 for a carbonized material, a blowout portion 35 for combustion air and an exhausting portion 34 for combustion exhaust gas and a stirring device 39  
10 capable of stirring the processing target material inside the carbonizing furnace. The blowout amount of the combustion air is adjustable. The apparatus is operable to carbonize the processing target material fed from the feeding portion, with stirring, spontaneously combusting and moving the material while moving this material toward the takeout portion and  
15 subsequently to take out the resultant carbonized material from the takeout portion. The carbonizing furnace is constructed as a vertical type including the feeding portion and the exhausting portion at an upper section of the furnace and including the takeout portion and the blowout portion at a lower section of the furnace, so that the processing target  
20 material can be moved by the deadweight thereof toward the takeout portion, a takeout speed of the carbonized material from the takeout portion being adjustable. The stirring device includes a stirring member 43 capable of swiveling about a vertical axis X.